

Title (en)  
Process for the preparation of polyarylene sulfide

Title (de)  
Verfahren zur Herstellung von Polyarylensulfid

Title (fr)  
Procédé pour la préparation de polysulfure d'arylène

Publication  
**EP 0527055 B1 19971105 (EN)**

Application  
**EP 92307197 A 19920806**

Priority  
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Abstract (en)  
[origin: EP0527055A2] A novel process for preparing polyarylene sulfides is disclosed, which process comprises: providing at least one cyclic arylene sulfide oligomer of the formula <CHEM> wherein S represents a sulfur atom, groups Ar, which may be the same or different, represent each an arylene radical having 6 - 24 carbon atoms, group R, which may be the same or different, represent each a C1-C12 alkyl radical, or a C1 -C12 alkoxy radical, or a primary or secondary amino group, n is an integer of from 2 to 50, and m is an integer of from 0 to 15, and heating said cyclic oligomer I in the presence of a ring opening polymerization catalyst so as to form polyarylene sulfide. The process produces polyarylene improved in chemical, physical and mechanical properties.

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IPC 8 full level  
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CPC (source: EP US)  
**C08G 75/0204** (2013.01 - EP US); **C08G 75/025** (2013.01 - EP US); **C08G 75/06** (2013.01 - EP US)

Citation (examination)  
• EP 0413257 A2 19910220 - DOW CHEMICAL CO [US]  
• EP 0520370 A2 19921230 - PHILLIPS PETROLEUM CO [US]

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CN102471490A; EP2821427A4; US5688908A; CN106459413A; US2016137807A1; US10000620B2; US8680230B2; EP0737705B1; EP1927615B1; EP1927615B2

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